

IN THE CLAIMS

Please amend the claims as follows:

1 1. (canceled)

1 2. (currently amended) Apparatus as defined in Claim [[1]] 10, in
2 which the housing inlet comprises a second tube having an outlet in the pollution-
3 collecting chamber for passing air from the air inlet, to impact the water surface
4 to remove pollutants from air passing through the pollution-collecting chamber.

1 3. (currently amended) Apparatus as defined in Claim [[1]] 10, in which
2 the motor is a squirrel cage motor having fan means for moving air from the air
3 inlet through the pollution-collecting chamber and out the air outlet.

1 4. (currently amended) Apparatus as defined in Claim [[1]] 10 in which
2 the ~~hollow~~ vertical tube ~~member~~ scoops draws water from the water in the inner
3 chamber, container of water, and discharges the water issuing from the opening
4 means in the hollow vertical tube member ~~perforations~~ to create a mist of water
5 in the path of motion of the air passing through the pollution-collecting chamber.

1 5. (currently amended) Apparatus as defined in Claim [[1]] 10 in which
2 the vertical tube ~~hollow member~~ is an elongated curved tube having an upper

3 end connected to the output shaft, and a lower portion disposed in ~~[[the]]~~ water in
4 the container.

1 6. (currently amended) Apparatus as defined in Claim ~~[[1]]~~ 10,
2 including a ~~H.E.P.A. and charcoal~~ filter disposed in the path of the air passing
3 from the ~~pollution-collecting~~ pollution-collecting chamber to the air outlet.

1 7. (currently amended) Apparatus as defined in Claim ~~[[1]]~~ 10,
2 including aromatic means for aromatizing air passing through the air outlet.

1 8. (currently amended) Apparatus as defined in Claim ~~[[1]]~~ 10, in which
2 the motor is a brushless motor.

1 9. (currently amended) A method for removing pollutants from air
2 containing pollutants, comprising the steps of:

3 providing a housing having a ~~pollution-collecting~~ pollution-
4 collecting chamber, an air inlet for receiving air into the ~~pollution-collecting~~
5 pollution-collecting chamber, and an air outlet for passing filtered air received
6 from the ~~pollution-collecting~~ pollution-collecting chamber

7 providing a ~~container~~ body of water adjacent in the ~~pollution~~
8 ~~collecting~~ pollution-collecting chamber;

9 providing a motor having an a rotatable output shaft
10 ~~rotatable about an axis of rotation~~, and fan means for passing air from the air
11 inlet toward the air outlet;

12 connecting an elongated vertical tubular member to the
13 output shaft for rotation; and about said axis

14 rotating the tubular member such that a lower inlet opening
15 in the body of water draws water into the tubular member, and then discharges
16 the water through an opening ~~perforation~~ in the tubular member into the
17 ~~pollutant-collecting~~ pollution-collecting chamber to form a rain-like mist around
18 the vertical tubular member; and in the path ~~of matter~~ of the air passing
19 therethrough through the pollution-collecting chamber whereby the mist
20 separates wettable pollutants from the air.

1 10. (new) An air filtration apparatus, comprising:

2 a housing having a pollution-collecting chamber for holding
3 water that partially fills the chamber, an air inlet and an air outlet, both disposed
4 above the surface of water in the pollution-collecting chamber;

5 a motor;

6 a fan mounted within the housing and connected to the
7 motor for drawing air into said pollution-collecting chamber through the air inlet
8 and for exhausting air from the pollution-collecting chamber through the air outlet;

9 an elongated vertical tube having a lower inlet end disposed
10 in water in the pollution-collecting chamber;

11 means for connecting the vertical hollow tube to the motor
12 for rotating the tube about a vertical axis;
13 the vertical tube having opening means supported above the
14 water level in the pollution-collecting chamber, for discharging water received
15 through said lower inlet end of the tube, as a spray under centrifugal force as the
16 tube is rotated, into air containing wetable pollutants and passing upwardly along
17 a path adjacent the tube; and
18 whereby polluted air enters the pollution-collecting chamber
19 and then passes upwardly adjacent to the opening means and through the spray
20 to we the wetable pollutants whereby the wetable pollutants remain in the
21 pollution-collecting chamber, and the air passes toward said air outlet.

1 11. Apparatus as defined in claim 10, in which the opening means in
2 the vertical tube comprises a plurality of vertically spaced openings.

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